

UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner: Group: Attorney Docket # 1997

Applicant(s) : REEB, W., ET AL

Serial No. : 10000000000000000000000000000000

Filed :

## For : CONTROL DRIVE WITH ADJUSTABLE POTENTIOMETER

## **SIMULTANEOUS AMENDMENT**

February 21, 2002

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

SIRS:

Simultaneously with filing of the above identified application  
please amend the same as follows:

### In the Claims:

Cancel all claims without prejudice.

Substitute the claims attached hereto.

**REMARKS:**

This Amendment is submitted simultaneously with filing of the above identified application.

With the present Amendment applicant has amended the claims so as to eliminate their multiple dependency.

Consideration and allowance of the present application is most respectfully requested.

Respectfully submitted,

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What is claimed is:

1. A control drive comprising  
a housing (5),  
a driven wheel (30),  
an electric motor (9),  
wherein the control drive (1) has a potentiometer (25).
2. The control drive according to Claim 1,  
wherein the potentiometer (25) serves to register a position of the driven  
wheel (30).
3. The control drive according to Claim 1,  
wherein the electric motor (9) is coupled directly to the driven wheel (30)  
that brings about an adjustment of the potentiometer (25),  
the potentiometer (25) is located in a potentiometer housing (47),  
the potentiometer housing (47) is located on the housing (5), and  
the potentiometer housing (47) has at least one detent tooth (51).
4. The control drive according to Claim 3,  
wherein the housing (5) has at least one detent projection (54), and  
the at least one detent projection (54) having the at least one detent tooth  
(51) of the potentiometer housing (47) forms a detent toothing (57).
5. The control drive according to Claim 4,  
wherein the potentiometer housing (47) is rotatable relative to the housing  
(5) when the detent projection (54) and the detent tooth (51) form a detent  
toothing (57).
6. The control drive according to [one or more of the Claims 3 through 5]  
Claim 3,

wherein at least one longitudinal hole (60) is located in the potentiometer housing (47) in the vicinity of the at least one detent tooth (51).

7. The control drive according to Claim 1,  
wherein the electric motor (9) has a rotor shaft (11), on the one end (12) of which a worm gear (15) is located,  
the worm gear (15) is coupled to a transverse worm (21) in the housing (5), and  
the transverse worm (21) meshes with the driven wheel (30).
8. The control drive according to Claim 1,  
wherein the control drive (1) has electrical connections,  
some of the electrical connections comprise electrical potentiometer connections, and  
the potentiometer connections (38) are designed at least partially similar to a serpentine contour (64).
9. The control drive according to [one or more of the Claims 1, 3 through 5]  
Claim 1, wherein all parts to be installed in the housing (5) can be installed in the housing (5) in a direction of installation (84).
10. The control drive according to [one or more of the Claims 1, 3 or 7]  
Claim 1, wherein the electric motor (9) can be inserted in the housing (5).
11. The control drive according to Claim 7,  
wherein the transverse worm (21) can be inserted in the housing (5).
12. The control drive according to Claim 7,  
wherein the axial play of the rotor shaft (11) is damped via a leaf spring (18).

What is claimed is:

1. A control drive comprising  
a housing (5),  
a driven wheel (30),  
an electric motor (9),  
wherein the control drive (1) has a potentiometer (25).
2. The control drive according to Claim 1,  
wherein the potentiometer (25) serves to register a position of the driven  
wheel (30).
3. The control drive according to Claim 1,  
wherein the electric motor (9) is coupled directly to the driven wheel (30)  
that brings about an adjustment of the potentiometer (25),  
the potentiometer (25) is located in a potentiometer housing (47),  
the potentiometer housing (47) is located on the housing (5), and  
the potentiometer housing (47) has at least one detent tooth (51).
4. The control drive according to Claim 3,  
wherein the housing (5) has at least one detent projection (54), and  
the at least one detent projection (54) having the at least one detent tooth  
(51) of the potentiometer housing (47) forms a detent toothing (57).
5. The control drive according to Claim 4,  
wherein the potentiometer housing (47) is rotatable relative to the housing  
(5) when the detent projection (54) and the detent tooth (51) form a detent  
toothing (57).
6. The control drive according to Claim 3,

wherein at least one longitudinal hole (60) is located in the potentiometer housing (47) in the vicinity of the at least one detent tooth (51).

7. The control drive according to Claim 1,  
wherein the electric motor (9) has a rotor shaft (11), on the one end (12) of which a worm gear (15) is located,  
the worm gear (15) is coupled to a transverse worm (21) in the housing (5), and  
the transverse worm (21) meshes with the driven wheel (30).
8. The control drive according to Claim 1,  
wherein the control drive (1) has electrical connections,  
some of the electrical connections comprise electrical potentiometer connections, and  
the potentiometer connections (38) are designed at least partially similar to a serpentine contour (64).
9. The control drive according to Claim 1, wherein all parts to be installed in the housing (5) can be installed in the housing (5) in a direction of installation (84).
10. The control drive according to Claim 1, wherein the electric motor (9) can be inserted in the housing (5).
11. The control drive according to Claim 7,  
wherein the transverse worm (21) can be inserted in the housing (5).
12. The control drive according to Claim 7,  
wherein the axial play of the rotor shaft (11) is damped via a leaf spring (18).